

(11) Publication number:

09290234 /

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 08126308

(51) Intl. Cl.: **B09B 3/00** C04B 18/10

(22) Application date: 24.04.96

(30) Priority:

(43) Date of application

publication:

11.11.97

(84) Designated contracting

states:

(71) Applicant: NIPPON STEEL CORP

(72) Inventor: MAEDA KAZUO IDE HIDEO

IȘHII AKIO

(74) Representative:

(54) METHOD OF REFORMING COAL ASH AND METHOD OF USING REFORMED COOL ASH

(57) Abstract:

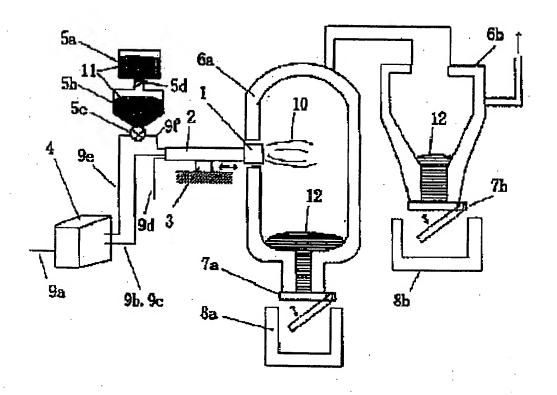
PROBLEM TO BE SOLVED: To burn and remove carbon contained in coal ash and at the same time to melt the carbon ash to make its granular shape a spherical shape by melt-spraying the coal ash, to improve its fluidity when it is used as a concrete admixture substituting for sand to efficiently use all coal ash generated and also to save resources.

SOLUTION: A thermal spraying device constituted of a thermal spraying burner, a lance, a utility control panel and a powder feeder and a furnace body for providing a space for performing thermal spraying are used. The thermal spraying device is installed in an opening of the furnace body so that flames formed by the thermal spraying burner 1 may be blown into the furnace body. Coal ash 2 is sprayed from the thermal spraying burner 1 together with carrier gas so

BEST AVAILABLE COPY

that they may be passed through a thermal spraying flame 10.

COPYRIGHT: (C)1997,JPO



BEST AVAILABLE COPY